

**AMENDMENTS TO THE SPECIFICATION**

*Please replace paragraphs [8]-[9] on pages 3-4 with the following amended paragraphs:*

[8] In order to process the handoff between different CDMA systems or between 2G~3G systems, each of the base stations of the systems must have a pilot beacon for providing information on a handoff starting time point to the base stations and the mobile station, respectively. That is, when a mobile station moves from a cell 'A' to a cell 'B', the cell 'B' pilot beacon provided to cell 'B' transmits a pilot signal having a frequency pilot used in cell 'A' uses at a strength identical to a signal strength at a boundary of cell 'B' for handoff switching time point from cell 'A' to cell 'B'. Similarly, the cell 'A' pilot beacon provided to cell 'A' transmits a pilot signal having a frequency pilot used in cell 'B' uses at a strength identical to a signal strength at a boundary of cell 'A' for handoff switching time point from cell 'B' to cell 'A'. However, in an overlap area between cell 'A' and cell 'B', the call is cut off due to the ping-pong of the handoff.

[9] Figure 1 illustrates a region between cells in a related art CDMA mobile communication system. Referring to Figure 1, when the mobile station moves from cell 'A' to cell 'B', the cell 'B' pilot beacon ~~[[2]]~~ transmits a pilot signal having a frequency used in cell 'A' at a strength equal to a signal strength at a boundary of cell 'B'. The pilot beacon ~~[[2]]~~ is transmitted to give the mobile station information on a handoff starting time point, for handing-off from cell 'A' to cell 'B'. When the mobile station moves from a cell 'B' to a cell 'A', the cell

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'A' pilot beacon [[1]] transmits a pilot signal having a frequency used in cell 'B' at a strength equal to a signal strength at a boundary of cell 'A' for handing-off from cell 'B' to cell 'A'.

***Please replace paragraphs [34]-[35] on pages 12-13 with the following amended paragraphs:***

[34] The first mobile communication system 10 preferably includes a base station 11 of a cell 'A' area for receiving and transmitting messages from/to the mobile stations and managing radio resources. The first mobile communication system 10 further includes a control station 12 for controlling the base station 11 of the cell 'A' area and processing the vocoding of a voice packet. A switching center 13 is provided for translating and switching a subscriber number through the control station 12.

[35] The second mobile communication system 20 preferably includes a base station 21 of a cell 'B' area for receiving and transmitting messages from/to the mobile stations and managing radio resources. The second mobile communication system 20 further includes a control station 22 for controlling the base station 21 of the cell 'B' area and processing the vocoding of a voice packet. A switching center 23 is provided for translating and switching a subscriber number through the control station 22.

***Please replace paragraphs [37] on pages 13-14 with the following amended paragraph:***

[37] The gateway base station 31 conducts a handoff between the first mobile communication system 10 and the second mobile communication system 20. The gateway base

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station 31 is installed in the cell 'G' area, which overlaps the cell 'A' area of the base station 11 of the first mobile communication system 10 and the cell 'B' area of the base station 21 of the second mobile communication system 20. Cell 'G' uses both the frequencies of the first mobile communication system 10 containing the base station 11 of the cell 'A' area and the second mobile communication system 20 containing the base station 21 of the cell 'B' area. The gateway control station can preferably conduct all CDMA frame processing functions when it is coupled with a digital cellular system, a personal communication system, a radio local loop system, or an IMT-2000 system.